

## 2001 CORN CHEMICAL USAGE

Nitrogen was applied to 96% of the total 2001 corn acreage in the 19 states surveyed. All of the major producing states had at least 87% or more of the acreage treated. Growers used an average of 1.8 applications per acre while applying 73 pounds of nitrogen per treatment. In the states surveyed, 79% of the planted corn acreage received phosphates. Potash fertilizer was applied to 65% of the corn acreage.

Herbicides were applied to 98% of the 19 state total corn acreage in 2001, while insecticides were used on 29% of the acreage. In Minnesota, Atrazine was the most used herbicide with 51% of the reported acreage being treated. Atrazine was applied at a rate of 0.83 pound per acre on the average. Acetochlor was the next most widely used with 42% treated. Clopyralid and Flumetsulam followed with each applied to 23% of the acreage. Tefluthrin was the most-used insecticide, applied to 3% of the acreage.

### CORN: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Selected States, 2001

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
IA	11,700	87	1.5	83	62	1.0	53	60	1.0	66	99	7
<b>MN</b>	<b>6,800</b>	<b>97</b>	<b>1.6</b>	<b>69</b>	<b>90</b>	<b>1.0</b>	<b>43</b>	<b>81</b>	<b>1.0</b>	<b>57</b>	<b>99</b>	<b>*</b>
SD	3,800	95	1.5	72	69	1.0	43	32	1.0	29	96	8
WI	3,400	98	1.9	55	95	1.0	35	89	1.1	48	98	16
TOTAL 2/	70,745	96	1.8	73	79	1.1	50	65	1.1	75	98	29

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Refers to 19 major corn states including: CO, GA, IL, IN, IA, KS, KY, MI, MN, MO, NE, NY, NC, ND, OH, PA, SD, TX, and WI.

\* Insufficient reports to publish data for insecticides.

### CORN: Frequency and Extent of Chemical Usage by Active Ingredient, Minnesota, 2001 1/

Active Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
2,4-D	7	1.0	0.23	0.23	105
Acetochlor	42	1.0	1.47	1.47	4,227
Atrazine	51	1.0	0.83	0.86	2,976
Bromoxynil	3	1.0	0.16	0.16	34
Clopyralid	23	1.0	0.11	0.11	170
Dicamba	17	1.0	0.25	0.25	292
Dicamba, Dimet. salt	5	1.0	0.15	0.15	51
Dicamba, Pot. salt	7	1.0	0.30	0.30	132
Diflufenzopyr-sodium	6	1.0	0.06	0.06	23
Dimethenamid	10	1.0	1.10	1.10	780
EPTC	7	1.0	3.35	3.35	1,702
Flumetsulam	23	1.0	0.04	0.04	64
Glufosinate-ammonium	6	1.0	0.33	0.34	134
Glyphosate	7	1.0	0.70	0.76	387
Metolachlor	6	1.0	1.97	1.97	800
Nicosulfuron	21	1.0	0.02	0.02	29
Pendimethalin	3	1.0	1.02	1.02	196
Primisulfuron	3	1.0	0.02	0.02	5
Rimsulfuron	10	1.0	0.01	0.01	7
S-Metolachlor	8	1.0	1.72	1.72	876
INSECTICIDES:					
Tefluthrin	3	1.0	0.09	0.09	17

1/ Planted areas in 2001 for Minnesota were 6.80 million acres.